

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08328

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ D02G1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ D02G, D02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003
 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 WPIL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 51-53148 A (Hokushin Chemical Industries Co., Ltd.), 11 May, 1976 (11.05.76), Drawings (Family: none)	1-10
Y	JP 59-10136 Y2 (Toray Industries, Inc.), 30 March, 1984 (30.03.84), Figs. 1, 2 (Family: none)	1-10
Y	US 4218930 A (NTN Tokyo Bearing Co., Ltd.), 26 August, 1980 (26.08.80), Fig. 9(e) & JP 54-6945 A & JP 54-42438 A	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "&" document member of the same patent family

Date of the actual completion of the international search
01 September, 2003 (01.09.03)Date of mailing of the international search report
16 September, 2003 (16.09.03)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3272027 A (Link Belt Co.), 13 September, 1966 (13.09.66), Fig. 3 (Family: none)	1-10
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 931/1976 (Laid-open No. 93750/1977) (NTN Toyo Bearing Co., Ltd.), 13 July, 1977 (13.07.77), Fig. 2 (Family: none)	1-10
A	JP 6-184849 A (Yamauchi Kabushiki Kaisha), 05 July, 1994 (05.07.94), All references (Family: none)	1-10

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